

Innovation in Mobility

ECLIPSE® F8000 (A) Series (ADA) Transit Use Wheelchair and Standee Lift

PRINT ENTIRE MANUAL

TABLE OF CONTENTS

Service/Owner Manual

(Retained by Owner After Installation by an Authorized RICON Service Technician)

®

This RICON product must be installed and serviced only by authorized RICON service technicians.

The authorized RICON service technician must refer to this manual for installation instructions.

The owner must refer to this manual for operating instructions, then retain it for future reference by authorized RICON service technicians who perform service and repairs.

Customer Name:
Installing Dealer:
Date Installed:
Serial Number:

REVISION RECORD

This table records page changes made since the last revision.

REV.	PAGE(S)	DESCRIPTION OF CHANGE	ECR/ECO	
32DF8AS0.F 06/19/98	ALL	VARIOUS REVISIONS AND UPDATES	001575/3240	
END OF LIST				

TA	BL	ΕC	OF CONTENTS P	AGE
l.	INT	ΓRO	DDUCTION	1-1
	RIC	CON	N 1-YEAR WARRANTY	1-2
	SH	IPM	MENT INFORMATION	1-3
	GE	NEI	RAL SAFETY PRECAUTIONS	1-3
	PR	ODI	OUCT TERMINOLOGY	1-4
II.	INS	STA	ALLATION	2-1
	A.	ME	ECHANICAL	2-1
		1.	LIFT LOCATION	2-1
		2.	LIFT MOUNTING	2-1
		3.	HYDRAULIC POWER UNIT	2-3
			a. Unit Mounting	2-3
			b. Unit-to-Cylinder Connection	2-3
	B.	EL	ECTRICAL	2-4
		1.	INTERLOCK WIRE	2-4
		2.	WIRING FOR OPTIONAL PUMP ENCLOSURE	2-5
		3.	MAIN WIRING	2-5
	C.	FIN	NAL ADJUSTMENTS	2-7
		1.	FLOOR LEVEL TRAVEL LIMIT SETTING	2-7
		2.	BRIDGEPLATE ADJUSTMENT	2-9
		3.	LIFT STOW LEVEL SETTING	. 2-10
		4.	DEPLOY LOCK SETTING	. 2-11
		5.	STOW LOCK SETTING	. 2-12
	D.	VE	ERIFY INSTALLATION	. 2-13
	E.	CL	JSTOMER ORIENTATION	. 2-14
III.	OP	ER	ATING INSTRUCTIONS	3-1

	D.	CC	ITNC	ROLS AND INDICATORS
		1.	CC	ONTROL PENDANT
		2.	EL	ECTRICAL CONTROLS AND INDICATORS
			a.	Main Circuit Breaker
			b.	Control System Circuit Breaker
		3.	MA	ANUAL BACKUP PUMP3-6
			a.	To Raise Platform Manually
			b.	To Lower Platform Manually
	E.	LIF	-T O	PERATION
		1.	TC	ENTER VEHICLE 3-9
		2.	TC	EXIT VEHICLE
		3.	TC	STOW PLATFORM 3-10
		4.	MA	ANUAL OPERATION
			a.	To Manually Deploy the Lift
			b.	To Manually Lower or Raise the Platform
			c.	To Manually Stow the Lift
		5.	ΕN	MERGENCY STOW PROCEDURE
IV.	MA	AINT	EN	ANCE4-1
	A.	MA	AINT	ENANCE SCHEDULE4-1
	В.	TR	OUI	BLESHOOTING GUIDES 4-3
		1.	LIF	T TROUBLESHOOTING GUIDE
		2.	LIF	T OPERATIONAL TROUBLESHOOTING
	C.	PC	WE	R CUT-OFF INTERLOCK INDICATOR DIAGNOSTICS
	D.	EL	ECT	TRICAL WIRING DIAGRAMS4-6
		1.	CC	DLOR CODES 4-6
		2.	CC	DNNECTORS 4-7
		3.	LA	BELS 4-7
		4.	SY	MBOLS
		5.	WI	RING DIAGRAMS

ΑP	PEN	NDIX 1. LIFT SPECIFICATIONS	5-25
V.	PA	RTS DRAWINGS AND LISTS	. 5-1
	F.	BLEEDING THE HYDRAULIC SYSTEM	4-11
	E.	HYDRAULIC POWER UNIT FLUID FLUSH AND RENEWAL	4-10

LIST OF FIGURES	PAGE
FIGURE [1-1]: LIFT REFERENCES	1-4
FIGURE [2-1]: LIFT MOUNTING ATTACHMENT POINTS	2-1
FIGURE [2-2]: LIFT MOUNTING FASTENER	2-2
FIGURE [2-3]: INTERLOCK WIRING	2-4
FIGURE [2-4]: WIRING FOR OPTIONAL PUMP ENCLOSURE	2-4
FIGURE [2-5]: TRAVEL LIMIT ADJUSTMENT	2-6
FIGURE [2-6]: TRUNION REMOVAL	2-7
FIGURE [2-7]: BRIDGEPLATE ADJUSTMENT	2-8
FIGURE [2-8]: STOW LEVEL ADJUSTMENT	2-9
FIGURE [2-9]: DEPLOY LOCK ADJUSTMENT	2-9
FIGURE [2-10]: STOW LOCK HOOK ADJUSTMENT	2-10
FIGURE [2-11]: DECAL LOCATIONS AND PART NUMBERS	2-12
FIGURE [3-1]: UNSAFE VEHICLE SLOPING	3-1
FIGURE [3-2]: PLATFORM POSITIONS	3-2
FIGURE [3-3]: CONTROL PENDANT	
FIGURE [3-4]: MAIN CIRCUIT BREAKER	
FIGURE [3-5]: CONTROL SYSTEM CIRCUIT BREAKER	
FIGURE [3-6]: STANDARD PUMP ENCLOSURE	
FIGURE [3-7]: PLATFORM MANUAL RAISING	
FIGURE [3-8]: PLATFORM MANUAL LOWERING	
FIGURE [3-9]: STOW LOCK HANDLE	3-7
FIGURE [3-10]: PLATFORM LOCK BAR	3-7
FIGURE [3-11]: DEPLOY LOCK HANDLE	3-9

FIGURE [4-1]: MOLEX CONNECTORS4-7
FIGURE [4-2]: ELECTRICAL DIAGRAM SYMBOLS4-7
FIGURE [4-3]: WIRING DIAGRAM W/STANDARD PUMP ENCLOSURE4-8
FIGURE [4-4]: WIRING DIAGRAM W/OPTIONAL PUMP ENCLOSURE
FIGURE [5-1]: MONARCH HYDRAULIC POWER UNIT5-2
FIGURE [5-2]: PUMP INTERIOR (STANDARD ENCLOSURE) MOUNTING ASSEMBLY 5-4
FIGURE [5-3]: OPTIONAL PUMP ENCLOSURE ASSEMBLY
FIGURE [5-4]: LIFT ENCLOSURE ASSEMBLY5-10
FIGURE [5-5A]: PLATFORM ASSEMBLY5-14
FIGURE [5-5B]: RESTRAINT BELT DETAIL ASSEMBLY
FIGURE [5-6]: TRAVELING FRAME ASSEMBLY5-20
FIGURE [5-7]: CARRIAGE ASSEMBLY

LIST OF I	ABLES
TABLE [1-1]:	: F8000 (A) SERIES LIFT TERMINOLOGY
TABLE [2-1]:	: LIFT MOUNTING BRACKET LOAD CAPACITIES2-2
TABLE [2-2]:	HYDRAULIC POWER UNIT BRACKET LOAD CAPACITIES
TABLE [3-1]:	: LIFT FUNCTIONS
TABLE [4-1]:	: MAINTENANCE SCHEDULE 4-1
TABLE [4-2]:	: TROUBLESHOOTING GUIDE4-3
TABLE [4-3]:	: OPERATIONAL TROUBLESHOOTING GUIDE 4-5
TABLE [4-4]:	: INTERLOCK INDICATOR TROUBLESHOOTING GUIDE 4-6
TABLE [4-5]:	: COLOR CODE DEFINITIONS